

Heritage Terrain Figures

Old Sarum, Salisbury SP1

SCREENING VERDICT

DBA-ready terrain figure set — hillshade, local relief model and sky-view factor.

Three bare-earth visualisations of Old Sarum, Salisbury SP1, computed on the site's own surveyed ground and captioned with every parameter used.

2 designated heritage assets were returned within the search radius and are named in the values table; their extents are credited in each figure's marginalia.

MEASURED AND INFERRED VALUES

Surface	Bare-earth terrain model (DTM) only. No surface model is used, so hedges, buildings and vehicles are absent by design — a surface-model figure would put present-day clutter into a document about buried remains.
Ground lattice	1 m
Unsurveyed ground	None within the clip — every cell carries a survey.
Heritage designations	Scheduled monuments: 1 (Old Sarum) · Conservation areas: 1 (STRATFORD SUB CASTLE)

WHAT A FULL HERITAGE DESK-BASED ASSESSMENT ADDS

Surveyed levels to a known datum rather than remote-sensed ones; the modelled flood level for the design event, obtained from the Environment Agency or by modelling; the sequential and exception tests where they apply; residual risk behind defences and in a breach; a drainage strategy; safe access and egress; and a signed professional opinion your local planning authority can rely on. This pack is the evidence base those start from, not a replacement for any of them.

Screening assessment from remote-sensed data (EA composite, surveyed 2019, ±15 cm RMSE (composite-level)) — not a substitute for a site survey or a professional Heritage Desk-Based Assessment.

METHOD AND LIMITATIONS

All three figures are derived from the Environment Agency 1 m LiDAR composite digital terrain model over a 700 × 700 m clip centred on the site. Accuracy is ±15 cm RMSE (composite-level) — a property of the national composite, not a measurement of this site.

Hillshade: multi-directional hillshade, per-cell maximum illumination (Horn slope/aspect), azimuths 315°, 45°, 135°, 225°, sun altitude 35°, vertical exaggeration ×2. Four lights 90° apart mean no ground is more than 45° from a light, so no feature is lost to alignment with a single sun. The exaggeration is stated because it makes relief look twice as pronounced as it is.

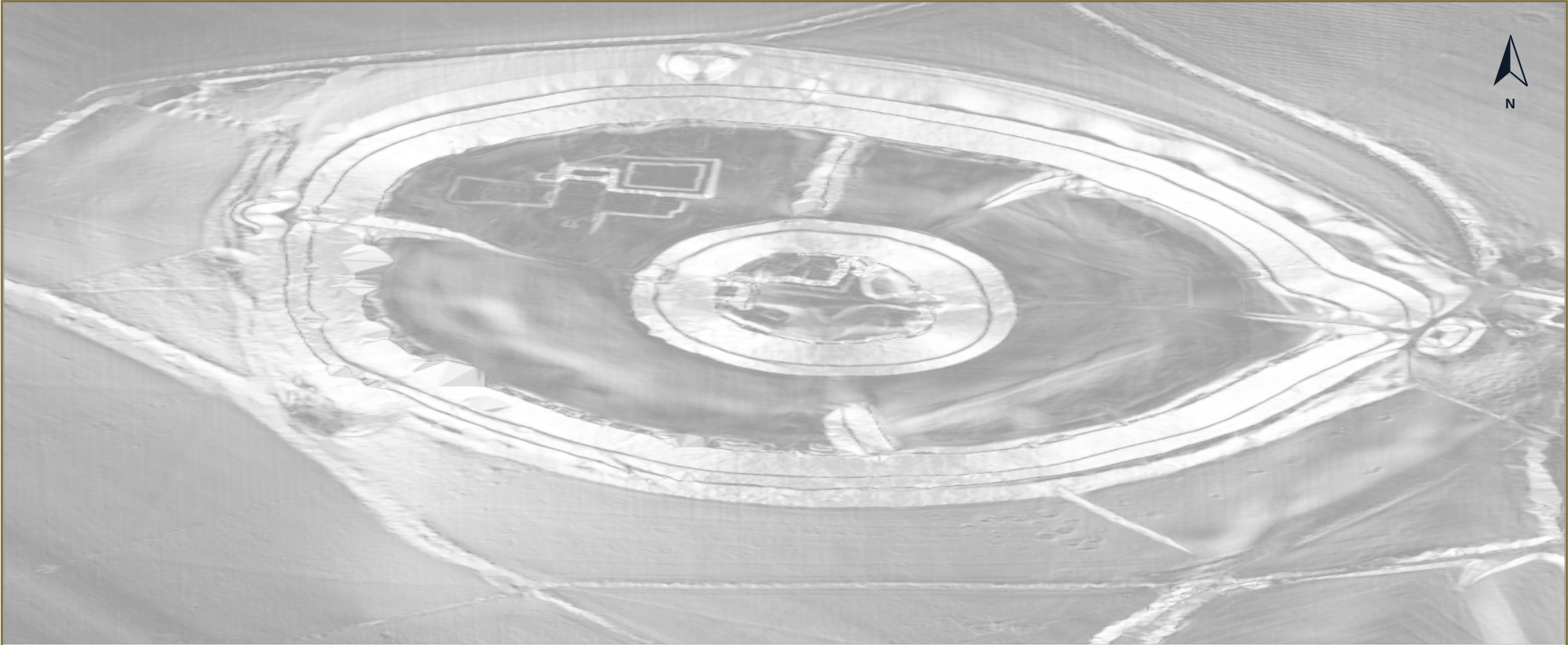
Local relief model: two-pass box mean (Gaussian approximation) at a 10 m radius (10 cells), after Hesse (2010). The radius sets the wavelength the model is blind to; 10 m passes ridge-and-furrow, lynchets, ditches and building platforms while removing hillslope-scale form.

Sky-view factor: 16-direction horizon scan to 20 m, stepping one cell, after Zakšek, Oštir and Kokalj (2011). Nodata cells on a ray are skipped rather than treated as open sky, so a coverage gap does not manufacture a bright halo.

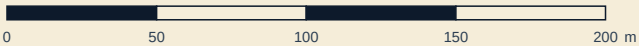
These are figures, not findings. Nothing here identifies what a feature is: an earthwork on a relief model may be archaeological, agricultural, geological or modern, and separating those is fieldwork and the historic environment record, not remote sensing. Designations listed are the national record at the date of production.

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1:2,527



Scale stated at sheet centre (Web Mercator).

11shade (bare earth)
ed 2019 · ±15 cm RMSE
225° · altitude 35° · z-factor 2 · 1 m
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LEGEND

-  Scheduled Monument
-  Conservation Area
-  Site boundary (redline)

DATA VINTAGES

- Scheduled Monument
- Conservation Area

- vintage not published by source
- vintage not published by source

ATTRIBUTION

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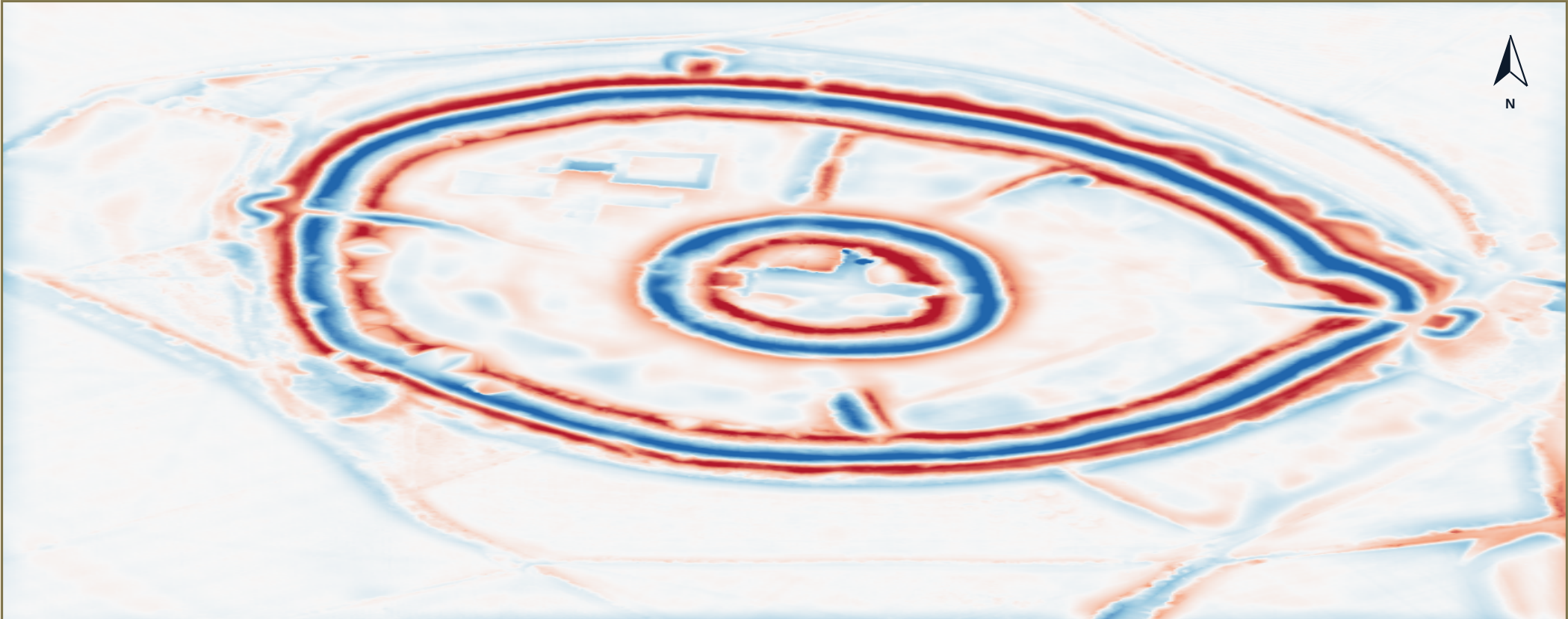
SITE
Old Sarum, Salisbury SP1
SHEET
01

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DATE
09 Aug 2026

PROJECT

Heritage Terrain Figures
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Local relief model (bare earth)
FA composite, surveyed 2019 ±15 cm RMSE
1:2,527
0 50 100 150 200 m
Scale stated at sheet centre (Web Mercator)

Gaussian approximation), radius 10 m
m
verging, colourblind-safe): blue =
red = above
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LEGEND

- Scheduled Monument
- Conservation Area
- Site boundary (redline)

DATA VINTAGES

Scheduled Monument	vintage not published by source
Conservation Area	vintage not published by source

ATTRIBUTION

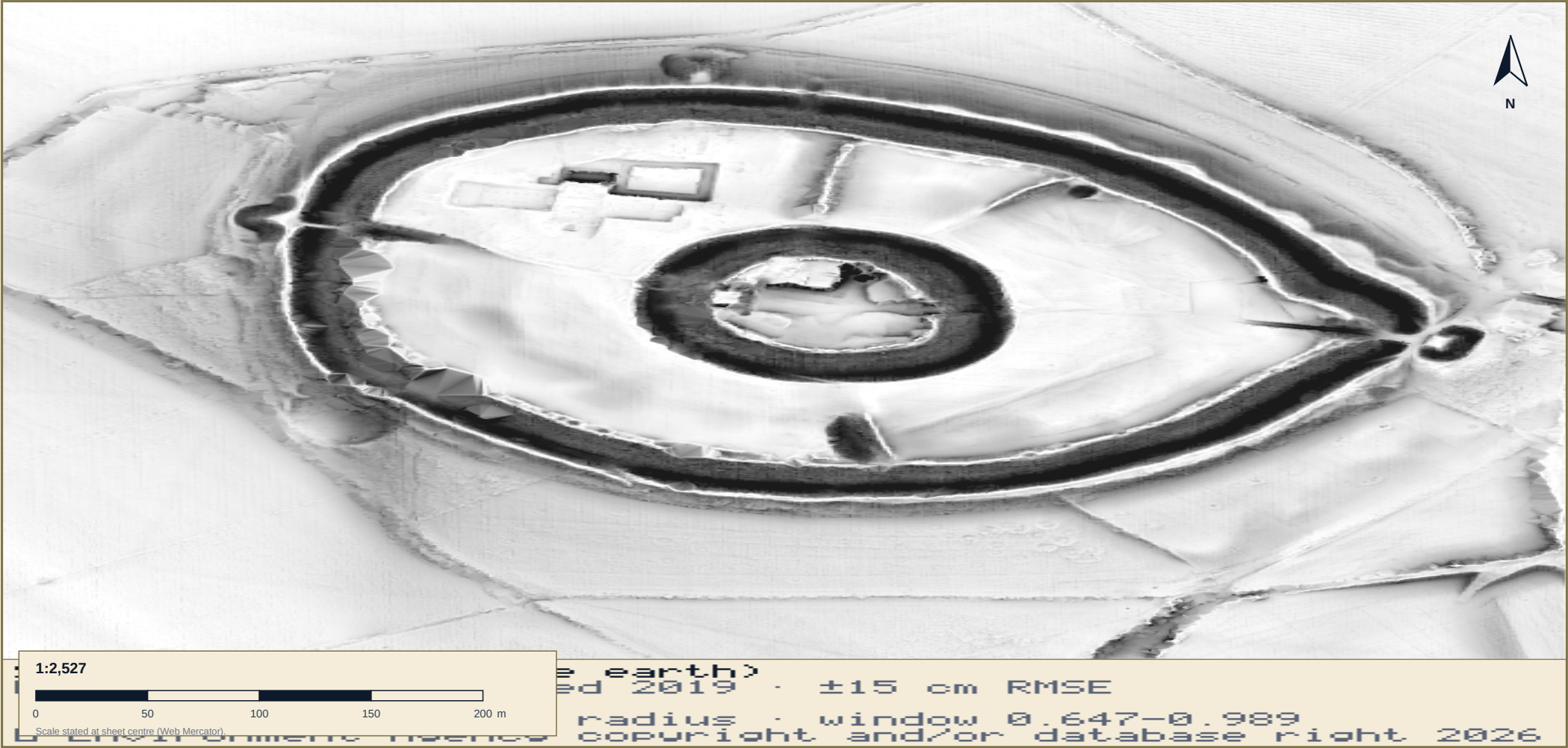
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PLANNING CONSTRAINTS

SITE
Old Sarum, Salisbury SP1
SHEET
02

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—
DATE
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PROJECT
Heritage Terrain Figures
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Planning Constraints



LEGEND

- Scheduled Monument
- Conservation Area
- Site boundary (redline)

DATA VINTAGES

- Scheduled Monument
- Conservation Area

ATTRIBUTION

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